

DISTRIELECTRO

DISTRIBUIDORA ELECTRONICA E INDUSTRIAL
MANTENIMIENTO Y ASESORIA TECNICA
RADIOCOMUNICACIONES - TELEFONIA
IMPORTACIONES Y REPRESENTACIONES

Almacén y Gerencia
Carrera 12 No 19-48
Tels 286 0856 - 241 5721
y 281 3084

Apartado Aéreo 20125
Bogotá, D.E. Colombia

Bogotá, D.E , Julio 18 de 1.990

COTIZACION Nr 0175-90



Señores
M- 19
Att. Sr. Jorge Niño
Ciudad.

Apreciados señores:



Atendiendo su gentil solicitud relacionada con el suministro de equipos y obrando en nuestro carácter de REPRESENTANTES Y DISTRIBUIDORES EXCLUSIVOS para Colombia de la Casa Yaesu Musen Co.,Ltda de Tokyo, nos permitimos presentar nuestra oferta en los siguientes términos:

EQUIPO YAESU MODELO FT-23R



10 Equipos Yaesu Modelo FT-23R de las siguientes características Técnicas:

Potencia en watos : 5 watos
Rango de frecuencia : 134 a 174 Mhz
Alimentación : Batería recargable
Canales : 10 canales
Antena : Flexible Helicoidal



COSTO DEL EQUIPO FT-23R

10 equipos Yaesu Modelo FT-23R con su cargador antena, batería FNB-12, correa, catálogo, programado en la frecuencia indicada a razón de \$170.000.000/u.....\$1.700.000.00

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OPCION Nr 2

EQUIPO YAESU MODELO FT-411



10 Equipos Yaesu Modelo FT-411 de las siguientes características técnicas:

- Potencia en wattios : 5 wattios
- Rango de frecuencia : 134 a 174 Mhz
- Alimentación : Batería recargable de Nicel-Cadmium



COSTO DEL EQUIPO

10 Equipos FT-411 con su antena, batería FNB-12, cargador de pared, correa, catálogo, programado a razón de \$ 180.000.000/u.....\$ 1.800.000.00



* Cargador de Sobremesa Yaesu NC-29, carga rápida y lenta\$ 55.000.00

VALIDEZ OFERTA: 15 días a partir de la fecha

FORMA DE PAGO: Contra entrega de los elementos.

TIEMPO DE ENTREGA: 10 días hábiles a partir de la confirmación Orden de Compra.

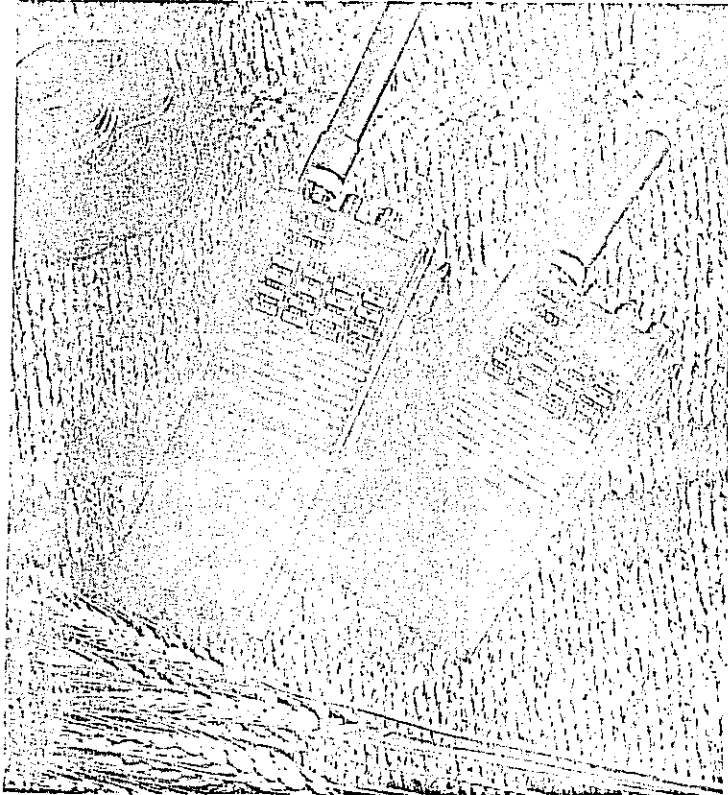
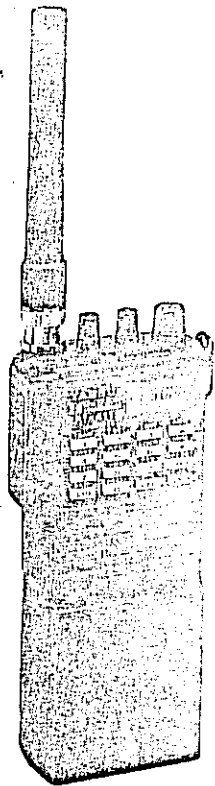


GARANTIA: 6 meses contra todo defecto de fabricación,

En espera de sus gratas órdenes, me suscribo de ustedes,

Atentamente
DISTRIELECTRO
286 0856
Alberto Gavines M.
ALBERTO GAVINES M.
Gerente

FT-411/-811



FT-411/811 Full-Feature VHF & UHF FM Handhelds

The top-of-the-line in single band handhelds, these models provide up to five watts output across the 2m (FT-411) and 70cm (FT-811) bands. With packaging and features similar to the dual-band FT-470, these models share the same accessories. Extra features include 49 memories and two vfos controlled by the 16-button backlit keypad. All memories store repeater offsets or separate tx/rx frequencies, and CTCSS tones when the optional FTS-17 Tone Squelch Unit is installed. Busy channel band, subband and selective memory scanning are provided along with priority channel monitoring, 1 MHz up/down stepping, ARS (Automatic Repeater Shift) when tuned to repeater subbands, plus a top panel rotary dial for memory and frequency selection. The keypad serves as a DTMF encoder during transmission, and 10 DTMF memories can be used to store 15 digits each for quick

playback.

The LCD shows six frequency digits, memory channel selection, CTCSS tone frequency during tone selection, and page-received status when paged by a matching subaudible tone. Yaesu's programmable power saver system can be set by the operator for optimum sampling/standby ratio, or can be turned off for packet. Our new APO (Automatic Power Off) system shuts off the transceiver to avoid dead batteries if you doze off or are called away unexpectedly.

The display/keypad lighting and diatonically-assigned function dependent keypad beeps make operation in difficult conditions easy. A VOX (voice-actuated transmit switching) system is also provided for hands-free operation with the optional YH-2 headset.

SPECIFICATIONS

GENERAL	FT-411	FT-811
Frequency Range	144-146 (B&C) MHz or 144-148 (A) MHz	430-440 (B&C) MHz or 430-450 (A) MHz
Channel Steps	5, 10, 12.5, 20 & 25 kHz	5, 10, 12.5, 20 & 25 kHz
Standard Repeater Shift (resettable)	600 kHz	5 (A), 7.6 (B), 1.6 (C) MHz
Emission Type	G3E	G3E
Voltage Requirement	5.5 to 15.0 V DC	5.5 to 15.0 V DC
Current Consumption	Stand-by (with 1 sec Save): 7 mA Receive: 150 mA Transmit (5 W): 1300 mA Auto Power Off: 6 mA	Stand-by (with 1 sec Save): 8 mA Receive: 150 mA Transmit (5 W): 1600 mA Auto Power Off: 7 mA
Antenna (BNC jack)	YHA-16 rubber flex antenna	YHA-46 rubber flex antenna
Dimensions (WHD)	55 X 122 X 32 mm w/FNB-/FBA-9 55 X 139 X 32 mm w/FNB-/FBA-10 55 X 188 X 32 mm w/FNB-11 55 X 155 X 32 mm w/FNB-12/-14	55 X 122 X 32 mm w/FNB-/FBA-9 55 X 139 X 32 mm w/FNB-/FBA-10 55 X 188 X 32 mm w/FNB-11 55 X 155 X 32 mm w/FNB-12/-14
Weight (Approx.)	380g w/FNB-10, 510 g w/FNB-11	380 g w/FNB-10, 510 g w/FNB-11
RECEIVER		
Circuit Type	Double-conversion superheterodyne	Double-conversion superheterodyne
Sensitivity (12 dB SINAD)	Better than 0.158 μ V (-10 dB μ)	Better than 0.158 μ V (-10 dB μ)
Adjacent Channel Selectivity	Better than 60 dB	Better than 60 dB
Intermodulation	Better than 65 dB	Better than 65 dB
Audio Output (@ 12 V)	0.5 W @ 8 ohms for 5% THD	0.5 W @ 8 ohms for 5% THD
TRANSMITTER		
Power Output	See RF Power Chart	See RF Power Chart
Frequency Stability	Better than 10 ppm	Better than 10 ppm
Modulation Type	Variable reactance	Variable reactance
Maximum Deviation	\pm 5 kHz	\pm 5 kHz
FM Noise	Better than -40 dB @ 1 kHz	Better than -40 dB @ 1 kHz
Spurious Emissions	Better than 60 dB below carrier	Better than 60 dB below carrier
Audio Distortion	Less than 5% @ 1 kHz, w/3 kHz deviation	Less than 5% @ 1 kHz, w/3 kHz deviation
Microphone Impedance	2-kilohm condenser	2-kilohm condenser
Burst Tone	1750 Hz (except version A)	1750 Hz (except version A)

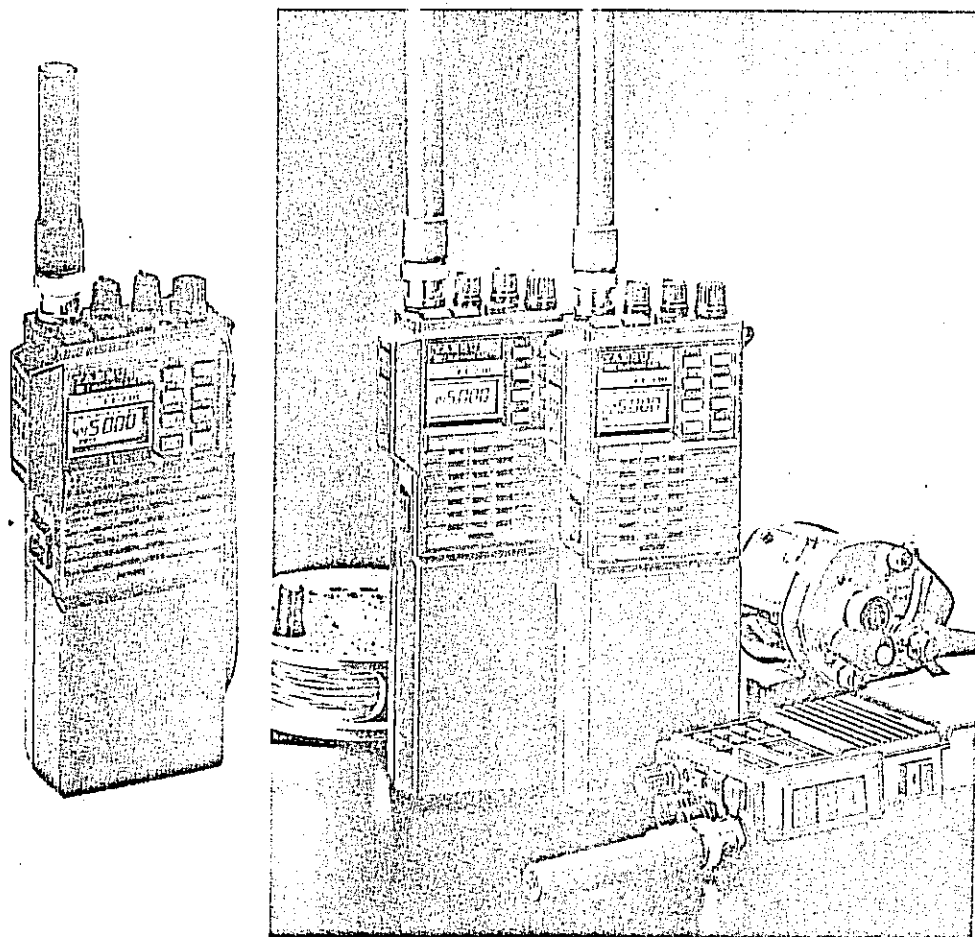
RF POWER CHART

Battery Type	FT-411 Output	FT-811 Output
(Dry Cell Cases)		
FBA-9 (6 X 'AAA' cell)	2.0 W	1.0 W
FBA-10 (6 X 'AA' cell)	2.5 W	1.5 W
(Ni-Cd Battery Packs)		
FNB-9 (7.2 V, 200 mAh)	2.5 W	1.5 W
FNB-10 (7.2 V, 600 mAh)	2.5 W	2.0 W
FNB-11 (12 V, 600 mAh)	5.0 W	5.0 W
FNB-12 (12 V, 500 mAh)	5.0 W	5.0 W
FNB-14 (7.2 V, 1000 mAh)	2.5 W	2.0 W

* Letters in parenthesis indicate version

eh

FT-23R/-33R/-73R



FT-23R/-33R/-73R Compact FM Handhelds

Housed entirely in die-cast zinc/aluminum alloy, with rubber gasket seals around all controls and connectors, these extremely rugged models offer up to five watts output on the 144, 220 and 430-440 or 430-450 MHz bands, respectively.

Operating features include ten memories storing repeater offsets (and CTCSS tone frequencies when the optional FTS-12 Tone Squelch Unit is installed), busy channel band and memory scanning, priority channel monitoring, 1-MHz up/down stepping and tuning with a top panel rotary dial. Seven of the memories can also store separate transmit frequen-

cies. The LCD shows six frequency digits, memory selection and CTCSS tone frequency during selection, and includes a bargraph S/PO meter. A fixed-interval power saver is built-in to prolong battery life during squelched monitoring.

The FTE-8 Burst generator is supplied as standard in European versions, while the FTT-4 DTMF keypad encoder is available as an option for all versions, along with a full line of batteries, chargers, soft cases and accessories for mobile operation (compatible with our other hand-helds).

SPECIFICATIONS

GENERAL	FT-23R	FT-33R	FT-73R
Frequency Range	144-146 MHz (B & D)* or 144-148 MHz (A, C & X)	220-225 MHz	430-440 MHz (B, C & X) or 440-450 MHz (A)
Channel Steps	5 & 10 kHz (A, D & E) 12.5 & 25 kHz (B & C)	5 & 10 kHz	12.5 & 25 kHz
Standard Repeater Shift	600 Hz	1.6 MHz	5 (A & X), 7.6 (B), 1.6 (C) MHz
Emission Type	G3E (F3)	G3E (F3)	G3E (F3)
Antenna	YHA-16 rubber flex antenna	YHA-33 rubber flex antenna	YHA-46 rubber flex antenna
Voltage Requirement	6.0-15.0 V DC	6.0-15.0 V DC	6.0-15.0 V DC
Current Consumption	Stand-by (Power save on): 19 mA Receive : 150 mA Transmit: 1.5 A @ 5W RF 0.9 A @ 2W RF	Stand-by (Power save on): 19 mA Receive : 150 mA Transmit: 1.3 A @ 5W RF 0.8 A @ 2W RF	Stand-by (Power save on): 19 mA Receive : 150 mA Transmit: 1.6 A @ 5W RF 1.1 A @ 2W RF
Dimensions (WHD)	55 X 122 X 32 mm w/FNB-/FBA-9 55 X 139 X 32 mm w/FNB-/FBA-10 55 X 188 X 32 mm w/FNB-11 55 X 155 X 32 mm w/FNB-12/-14	55 X 122 X 32 mm w/FNB-/FBA-9 55 X 139 X 32 mm w/FNB-/FBA-10 55 X 188 X 32 mm w/FNB-11 55 X 155 X 32 mm w/FNB-12/-14	55 X 122 X 32 mm w/FNB-/FBA-9 55 X 139 X 32 mm w/FNB-/FBA-10 55 X 188 X 32 mm w/FNB-11 55 X 155 X 32 mm w/FNB-12/-14
Weight (Approx.)	430 g w/FNB-10 550 g w/FNB-11	430 g w/FNB-10 550 g w/FNB-11	430 g w/FNB-10 550 g w/FNB-11
RECEIVER			
Circuit Type	Double-conversion superheterodyne	Double-conversion superheterodyne	Double-conversion superheterodyne
Sensitivity (for 12 dB SINAD)	Better than 0.25 µV	Better than 0.20 µV	Better than 0.25 µV
Adjacent Channel Selectivity	Better than 60 dB	Better than 55 dB	Better than 60 dB
Intermodulation	Better than 65 dB	Better than 65 dB	Better than 65 dB
Audio Output (@ 12 V)	0.4 W @ 8 ohms for 5% THD	0.4 W @ 8 ohms for 5% THD	0.4 W @ 8 ohms for 5% THD
TRANSMITTER			
Power Output	See RF Power Chart	See RF Power Chart	See RF Power Chart
Frequency Stability	Better than ±10 ppm	Better than ±10 ppm	Better than ±5 ppm
Modulation Type	Variable reactance	Variable reactance	Variable reactance
Deviation	±5 kHz	±5 kHz	±5 kHz
FM Noise	Better than -40 dB @ 1 kHz	Better than -40 dB @ 1 kHz	Better than -40 dB @ 1 kHz
Spurious Emission	Less than 60 dB below carrier	Less than 60 dB below carrier	Less than 60 dB below carrier
Audio Distortion	Less than 5% @ 1 kHz w/3 kHz deviation	Less than 5% @ 1 kHz w/3 kHz deviation	Less than 5% @ 1 kHz w/3 kHz deviation
Microphone Impedance	2 kohms condenser	2 kohms condenser	2 kohms condenser
Burst Tone	1750 Hz (except version A)	None	1750 Hz (versions B & C only)

* Letters in parenthesis indicate version

RF POWER CHART

Battery Type	FT-23R Output	FT-33R Output	FT-73R Output
(Dry Cell Cases)			
FBA-9 (6 X 'AAA' cell)	2.0 W	1.0 W	1.0 W
FBA-10 (6 X 'AA' cell)	2.5 W	1.5 W	2.0 W
(Ni-Cd Battery Packs)			
FNB-9 (7.2 V, 200 mAh)	2.5 W	1.5 W	2.0 W
FNB-10 (7.2 V, 500 mAh)	2.5 W	1.5 W	2.0 W
FNB-11 (12 V, 600 mAh)	5.0 W	5.0 W	5.0 W
FNB-12 (12 V, 500 mAh)	5.0 W	5.0 W	5.0 W
FNB-14 (7.2 V, 1000 mAh)	2.5 W	1.5 W	2.0 W

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